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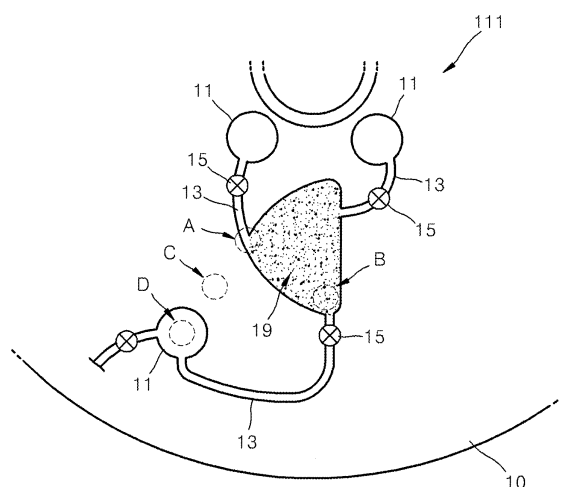
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(54) **Centrifugal Force Based Magnet Position Control Device and Disk-Shaped Micro Fluidic System**

(57) A centrifugal force based magnet position control device and a micro fluidic system using the same are provided. The magnet position control device includes: a rotational plate having a guide rail shaped in a path connecting a plurality of positions having different distances from a rotational axis, the guide rail guiding a movement of a first magnet mounted therein; a rotational driver rotating the rotational plate; and a second magnet disposed outside the rotational plate so as to be permanently or temporarily fixed on a position corresponding to a position in the guide rail. The micro fluidic system according to the present invention is configured to control the position of the magnetic bead in the disk-shaped micro fluidic unit disposed to rotate with the rotational plate.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 07 10 4742

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
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Place of search		Date of completion of the search	Examiner
The Hague		26 January 2011	Traversa, Marzia
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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